

Title (en)

Automatic gain control circuit.

Title (de)

Automatische Verstärkungsregelungsschaltung.

Title (fr)

Circuit de commande automatique de gain.

Publication

**EP 0151916 A2 19850821 (EN)**

Application

**EP 85100011 A 19850102**

Priority

JP 222284 A 19840110

Abstract (en)

An automatic gain control (AGC) circuit comprising a first filter (33) to which a received signal ( $S_{R}$ ) is applied, a variable level adjusting means (34), connected therewith, for producing the automatic gain controlled signal. A feedback loop is set up between the input and output of the variable level adjusting means (34), which feedback loop contains therein a second filter (51) exhibiting a narrower equivalent noise band width than that of the first filter (33), in response to a particular signal component having a predetermined frequency spectrum with a certain duration so as to perform an integration in the second-filter (5).

IPC 1-7

**H03G 3/20**; **H04L 27/08**

IPC 8 full level

**H03G 3/20** (2006.01); **H04B 7/212** (2006.01); **H04L 27/08** (2006.01); **H04L 27/22** (2006.01)

CPC (source: EP US)

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Cited by

EP0192061A1; FR2576472A1; US4757502A; WO9316553A1

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**US 4656630 A 19870407**; CA 1223308 A 19870623; DE 3574319 D1 19891221; EP 0151916 A2 19850821; EP 0151916 A3 19860312; EP 0151916 B1 19891115; JP H0325048 B2 19910404; JP S60145713 A 19850801

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